

Date: Thu, 26 May 94 04:30:10 PDT  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #159  
To: Ham-Ant

Ham-Ant Digest                      Thu, 26 May 94                      Volume 94 : Issue 159

Today's Topics:

"J pole" like antenna using coax instead of twinlead?  
    Dipole help  
    Dipole in attic UPDATE?  
Looking for radiation pattern of full-wave vertical.  
    Quoting Diarrhoea  
    Using Mininec for UHF/VHF antennas?  
    Using Mininec for VHF/UHF antennas

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>

Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 26 May 1994 01:14:30 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!  
wa2ise@network.ucsd.edu  
Subject: "J pole" like antenna using coax instead of twinlead?  
To: ham-ant@ucsd.edu

The twinlead J pole antenna seen many times on these groups works well.  
Turns out I have lots of coax scraps, but not much twinlead. (you  
mean, actually go out and BUY something! :-). I have 50 ohm, 75 ohm,  
and some 93 ohm coax scraps (RG's 58, 59, 62). Is there a design similar  
to the Jpole I can build with these scraps of coax? for VHF? 2M?

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Date: Thu, 26 May 1994 06:08:09 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!

wa2ise@network.ucsd.edu  
Subject: Dipole help  
To: ham-ant@ucsd.edu

In article <2s010i\$rh1@chnews.intel.com> cmoore@ilx018.intel.com (Cecil A. Moore -FT-~) writes:

>

>Quoting from the ARRL Antenna Book, "Greatly improved choke balun  
>performance can be realized by placing several ferrite beads... around  
>the coaxial feed line." For 10m, a dozen no. 73 beads (Amidon no. FB-  
>73-2401) close to the antenna feed point should work.

>

One nice thing about the ferrite beads around the coax at the feed point, or using several turns of coax to make a choke at the feedpoint, is that the transmitter power is not directly applied to the ferrite or choke. So the ferrite won't saturate as much as it might if you used an actual transformer-like balun. The choke coil above acts in a "common mode" like manner, both inner and shield conductors of the feedline coax go thru the choke together, and as such, don't "notice" the choke's presence. Any RF currents on the \*outside\* of the outside shield conductor of the coax will "notice" the choke, and attenuate them.

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Date: 26 May 1994 02:49:18 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!noc.near.net!news.delphi.com!domonkos@network.ucsd.edu  
Subject: Dipole in attic UPDATE?  
To: ham-ant@ucsd.edu

>I installed an inverted V dipole in my attic (not really an attic more like  
>a crawl space) for my CB. Seems to work fine except for one thing. There  
is  
>a lot of interference. Sounds like a dishwasher on the line. Anyone  
>have any ideas on what may be causing it and what I can do to get rid of  
it.

>

>---

>Thank you,  
>Arik Klingensmith                      arik.klingensmith@ebay.sun.com

>

>

A good noise blanker is just about all that will help. Good luck (BTW, the noise isn't as bad if you switch to SSB).

Andy

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Date: Wed, 25 May 1994 21:45:10 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!crcnis1.unl.edu!  
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!osuunx.ucc.okstate.edu!olesun!  
gcouger@network.ucsd.edu  
Subject: Looking for radiation pattern of full-wave vertical.  
To: ham-ant@ucsd.edu

In article <1994May25.164547.12310@vfl.paramax.com>,  
Pete Rossi <rossi@VFL.Paramax.COM> wrote:  
>I am looking for a plot of the vertical radiation pattern of a full-wave  
>ground mounted vertical.  
>  
>Last year for FD I used a 33' half-wave vertical on 20 meters. It worked  
>great. This year I will be operating both 20 and 40 meters and I plan to use  
>a 66' half-wave vertical for 40 and was wondering what kind of performance I  
>might expect with it on 20 meters as a full-wave vertical?  
>  
Elneec shows a radiation angle of 34 degrees for a full wave over real  
ground. I don't really know what this will do on 20. It's a lot higher  
than I have ever used for any length of time.  
It is in one well defined lobe.

Good luck  
Gordon AB5DG

>If I remember correctly, a full-wave vertical has several high-angle lobes  
>but I wonder if for FD type operation it might still do pretty good.  
>  
>I would like to be able to go with one antenna for both bands and NOT use  
>a quarter-wave on 40. I don't want to have to provide the extra grounding  
>that a quarter-wave needs to work right.  
>  
>I am expecting the half-wave vertical should work pretty good on 40. I just  
>wonder how much the 20 meter performance will suffer.  
>  
>=====

>Pete Rossi - WA3NNA	rossi@vfl.paramax.COM
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>  
>Unisys Corporation - Government Systems Group  
>Valley Forge Engineering Center - Paoli, Pennsylvania  
>=====

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Date: Thu, 26 May 94 05:17:33 GMT  
From: ihnp4.ucsd.edu!agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!  
netcomsv!skyld!janguis@network.ucsd.edu

Subject: Quoting Diarrhoea  
To: ham-ant@ucsd.edu

In article <1994May25.165809.18939@rsd.dl.nec.com> dave@rsd.dl.nec.com writes:

> >>What's "diarrhoea"?  
>  
> Maybe it's a typo and he meant "diary of Ean".  
>  
> dave

Diarrhoea is the accepted alternate (British) spelling of diarrhea.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM	"You have a flair for adding
Internet: jangus@skyld.grendel.com	a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749	story."
Phone: 1 (310) 324-6080	Peking Noodle Co.

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?  
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

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Date: 25 May 1994 20:38:25 -0700  
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com  
Subject: Using Mininec for UHF/VHF antennas?  
To: ham-ant@ucsd.edu

I was wondering if anyone had any information on how well Mininec works with UHF/VHF antennas? I would like to use it to design a 2 meter antenna. Works good for HF but was wondering how well it would work on the higher bands. Thanks for any help here! 73!

Jeff Jones  
AB6MB

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Date: 25 May 1994 20:31:08 -0700  
From: nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com  
Subject: Using Mininec for VHF/UHF antennas  
To: ham-ant@ucsd.edu  
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